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Appendix B.18

LTE CA_7C



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Effective (Isotropic) Radiated Power Output Data

Test Result Ant3

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	1RB#0-0RB#0	23.79	22.59	33.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	22.72	21.52	33.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	1RB#0-0RB#0	24.03	22.83	33.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	23.03	21.83	33.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	1RB#0-0RB#0	24.13	22.93	33.00	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	23.05	21.85	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	1RB#0-0RB#0	23.2	22	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	21.81	20.61	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	1RB#0-0RB#0	23.61	22.41	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	22.08	20.88	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	1RB#0-0RB#0	23.76	22.56	33.00	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21206-21350	50RB#0-100RB#0	22.1	20.9	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	1RB#0-0RB#0	23.07	21.87	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	20805-20949	50RB#0-100RB#0	21.78	20.58	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	1RB#0-0RB#0	23.19	21.99	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	50RB#0-100RB#0	22.02	20.82	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	1RB#0-0RB#0	23.43	22.23	33.00	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	22.08	20.88	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	1RB#0-0RB#0	23.76	22.56	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	22.87	21.67	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	1RB#0-0RB#0	24.07	22.87	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	23.02	21.82	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	1RB#0-0RB#0	24.13	22.93	33.00	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277-21397	75RB#0-50RB#0	23.03	21.83	33.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	1RB#0-0RB#0	23.23	22.03	33.00	PASS



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7-7	15MHz-10MHz	16QAM-16QAM	20825-20945	75RB#0-50RB#0	21.8	20.6	33.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	1RB#0-0RB#0	23.56	22.36	33.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	22.07	20.87	33.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	1RB#0-0RB#0	23.79	22.59	33.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	22.06	20.86	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	1RB#0-0RB#0	22.25	21.05	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	21.79	20.59	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	1RB#0-0RB#0	22.44	21.24	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	75RB#0-50RB#0	22.13	20.93	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	1RB#0-0RB#0	22.51	21.31	33.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21277-21397	75RB#0-50RB#0	22.07	20.87	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	1RB#0-0RB#0	23.72	22.52	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825-20975	75RB#0-75RB#0	22.8	21.6	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	1RB#0-0RB#0	23.95	22.75	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	23	21.8	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	1RB#0-0RB#0	24.08	22.88	33.00	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225-21375	75RB#0-75RB#0	23.06	21.86	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	1RB#0-0RB#0	23.22	22.02	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	20825-20975	75RB#0-75RB#0	21.87	20.67	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	1RB#0-0RB#0	23.44	22.24	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	22.05	20.85	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	1RB#0-0RB#0	23.54	22.34	33.00	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	22.05	20.85	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	1RB#0-0RB#0	21.99	20.79	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	75RB#0-75RB#0	21.82	20.62	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	1RB#0-0RB#0	22.33	21.13	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	22.02	20.82	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	1RB#0-0RB#0	22.49	21.29	33.00	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	75RB#0-75RB#0	22.02	20.82	33.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	1RB#0-0RB#0	23.85	22.65	33.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	75RB#0-100RB#0	22.9	21.7	33.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	1RB#0-0RB#0	24.1	22.9	33.00	PASS



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7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	23.1	21.9	33.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	1RB#0-0RB#0	24.23	23.03	33.00	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179-21350	75RB#0-100RB#0	23.15	21.95	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	1RB#0-0RB#0	23.32	22.12	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	21.9	20.7	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	1RB#0-0RB#0	23.57	22.37	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	22.1	20.9	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	1RB#0-0RB#0	23.82	22.62	33.00	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	22.17	20.97	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	1RB#0-0RB#0	22.16	20.96	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	20828-20999	75RB#0-100RB#0	21.92	20.72	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	1RB#0-0RB#0	22.35	21.15	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	75RB#0-100RB#0	22.07	20.87	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	1RB#0-0RB#0	22.52	21.32	33.00	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21179-21350	75RB#0-100RB#0	22.16	20.96	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	100RB#0-50RB#0	22.93	21.73	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	20850-20994	1RB#0-0RB#0	23.89	22.69	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	22.97	21.77	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	1RB#0-0RB#0	24.13	22.93	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	23.17	21.97	33.00	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	1RB#0-0RB#0	24.2	23	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	100RB#0-50RB#0	21.91	20.71	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	1RB#0-0RB#0	23.3	22.1	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	22.14	20.94	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	1RB#0-0RB#0	23.62	22.42	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	100RB#0-50RB#0	22.16	20.96	33.00	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	1RB#0-0RB#0	23.62	22.42	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	21.9	20.7	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	1RB#0-0RB#0	22.13	20.93	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	22.12	20.92	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	1RB#0-0RB#0	22.5	21.3	33.00	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	100RB#0-50RB#0	22.13	20.93	33.00	PASS



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7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	1RB#0-0RB#0	22.6	21.4	33.00	PASS
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	100RB#0-75RB#0	22.97	21.77	33.00	PASS
7-7	20MHz-15MHz	QPSK-QPSK	20850-21021	1RB#0-0RB#0	23.85	22.65	33.00	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	23.09	21.89	33.00	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	1RB#0-0RB#0	24.06	22.86	33.00	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	100RB#0-75RB#0	23.13	21.93	33.00	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201-21372	1RB#0-0RB#0	24.19	22.99	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	21.95	20.75	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	1RB#0-0RB#0	23.32	22.12	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	22.07	20.87	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	1RB#0-0RB#0	23.59	22.39	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	100RB#0-75RB#0	22.11	20.91	33.00	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21201-21372	1RB#0-0RB#0	23.81	22.61	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	100RB#0-75RB#0	21.89	20.69	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	20850-21021	1RB#0-0RB#0	22.29	21.09	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	100RB#0-75RB#0	22.09	20.89	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	1RB#0-0RB#0	22.39	21.19	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	22.11	20.91	33.00	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	1RB#0-0RB#0	22.5	21.3	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	22.97	21.77	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#0-0RB#0	23.84	22.64	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	23.02	21.82	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#0-0RB#0	24.05	22.85	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	23.14	21.94	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#0-0RB#0	24.16	22.96	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	21.95	20.75	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#0-0RB#0	23.45	22.25	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	22.1	20.9	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	1RB#0-0RB#0	23.56	22.36	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	22.12	20.92	33.00	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#0-0RB#0	23.5	22.3	33.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	21.97	20.77	33.00	PASS



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7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#0-0RB#0	22.24	21.04	33.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	22.04	20.84	33.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	1RB#0-0RB#0	22.3	21.1	33.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	22.13	20.93	33.00	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#0-0RB#0	22.36	21.16	33.00	PASS



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	27.768	29.58	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	27.745	29.40	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21006-21150	50RB#0-100RB#0	27.762	29.58	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	23.201	25.00	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	23.187	25.00	PASS
7-7	15MHz-10MHz	64QAM-64QAM	21051-21171	75RB#0-50RB#0	23.226	25.05	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	28.347	30.42	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	28.395	30.30	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	28.348	30.36	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	32.658	34.65	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	32.615	34.72	PASS
7-7	15MHz-20MHz	64QAM-64QAM	21003-21174	75RB#0-100RB#0	32.681	34.72	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	27.785	29.76	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	27.803	29.76	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	27.782	29.76	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	32.652	34.79	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	32.638	34.86	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21026-21197	100RB#0-75RB#0	32.655	34.86	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	37.749	40.72	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	37.773	40.64	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	100RB#0-100RB#0	37.779	40.48	PASS



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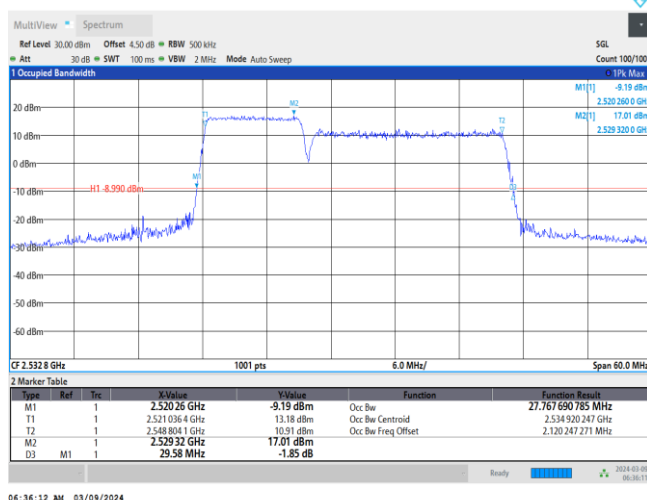
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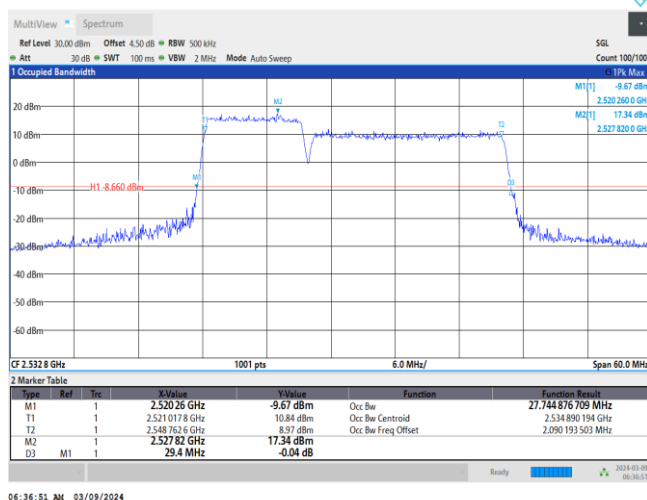
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Test Graphs

7-7-10MHz-20MHz-QPSK-QPSK-21006-21150-50RB#0-100RB#0



7-7-10MHz-20MHz-16QAM-16QAM-21006-21150-50RB#0-100RB#0



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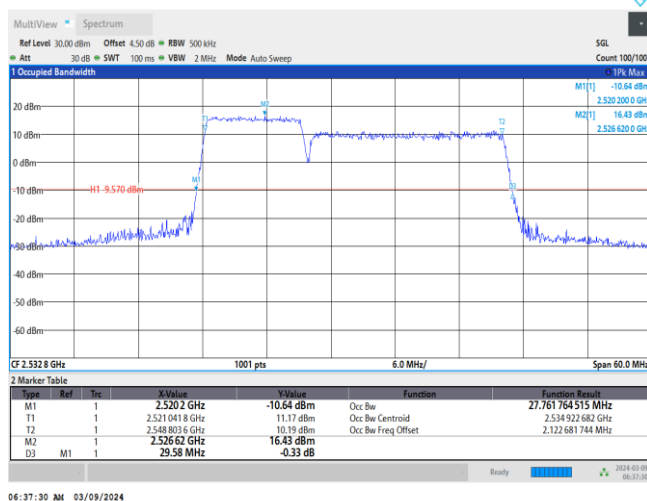
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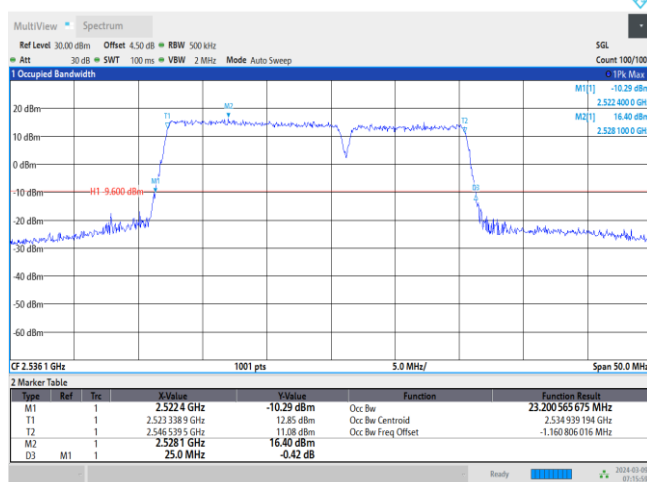
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7-7-10MHz-20MHz-64QAM-64QAM-21006-21150-50RB#0-100RB#0



06:37:30 AM 03/09/2024

7-7-15MHz-10MHz-QPSK-QPSK-21051-21171-75RB#0-50RB#0



07:15:59 AM 03/09/2024



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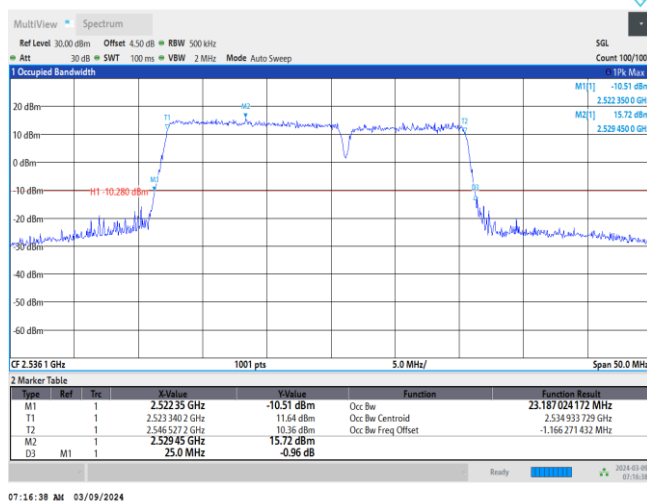
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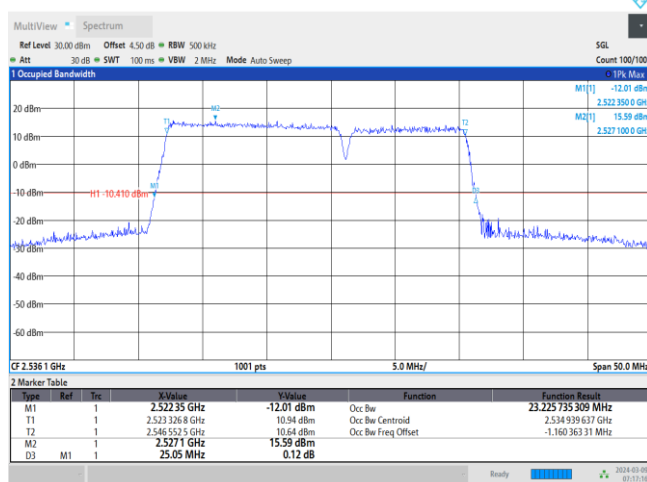
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7-7-15MHz-10MHz-16QAM-16QAM-21051-21171-75RB#0-50RB#0



07:16:38 AM 03/09/2024

7-7-15MHz-10MHz-64QAM-64QAM-21051-21171-75RB#0-50RB#0



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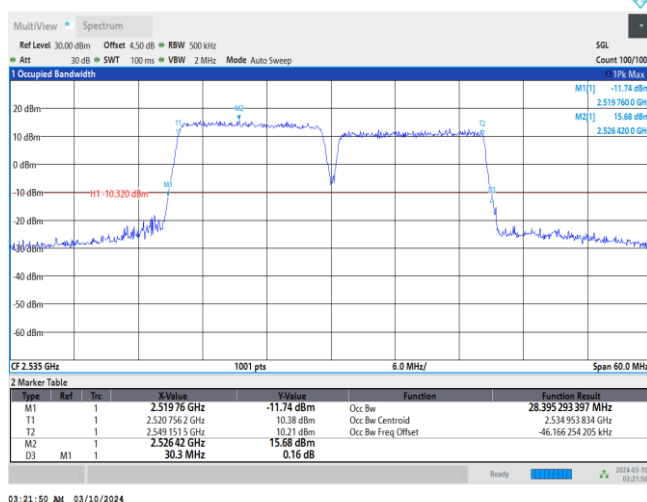
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7-7-15MHz-15MHz-QPSK-QPSK-21025-21175-75RB#0-75RB#0



03:21:11 AM 03/10/2024

7-7-15MHz-15MHz-16QAM-16QAM-21025-21175-75RB#0-75RB#0



03:21:50 AM 03/10/2024



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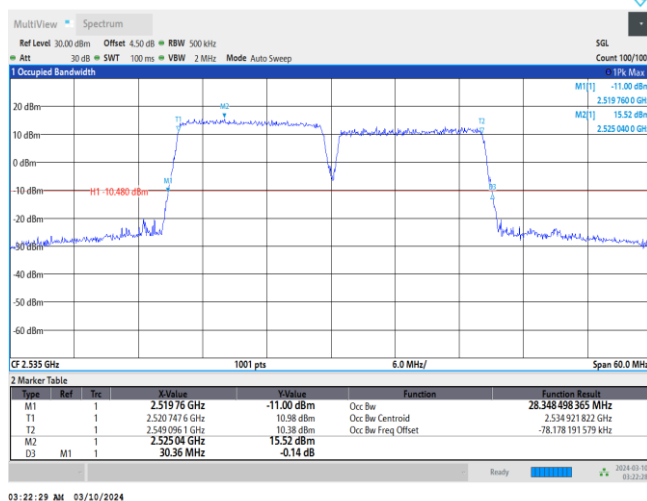
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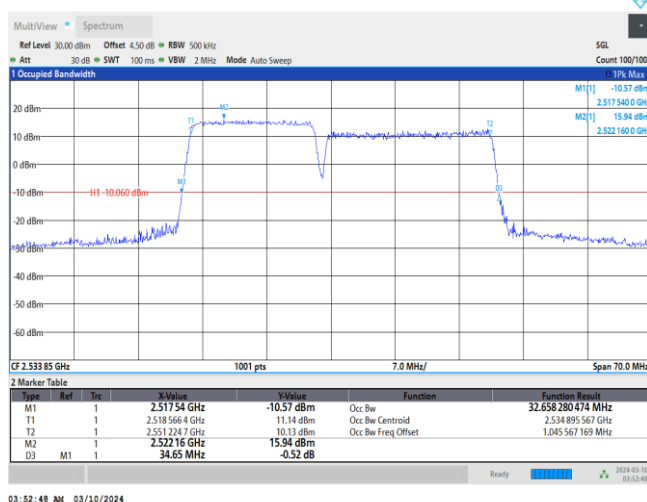
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7-7-15MHz-20MHz-QPSK-QPSK-21003-21174-75RB#0-100RB#0



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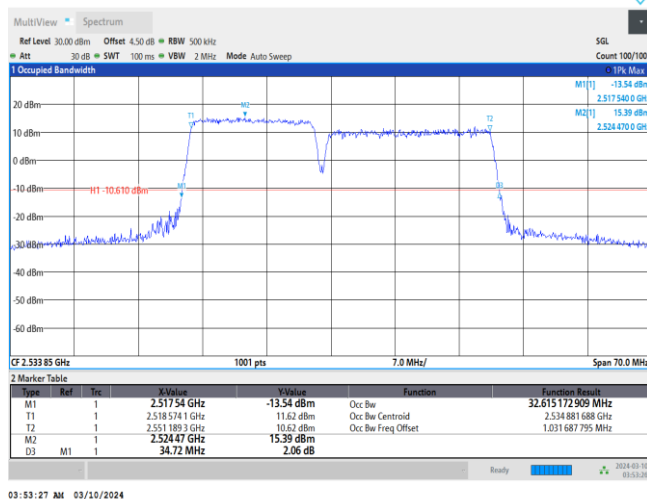
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7-7-15MHz-20MHz-64QAM-64QAM-21003-21174-75RB#0-100RB#0



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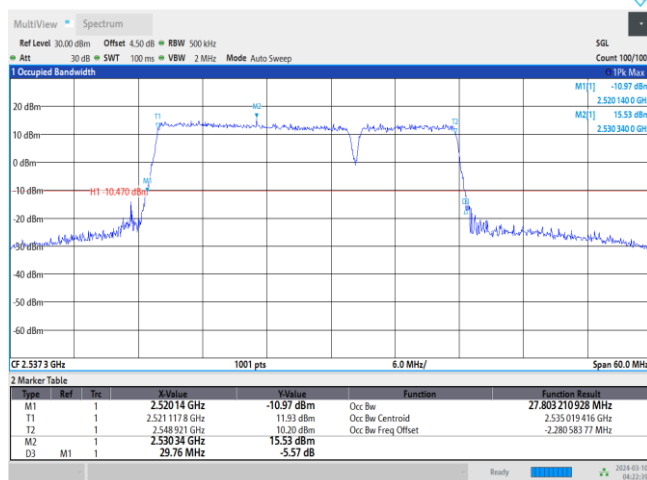
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7-7-20MHz-10MHz-QPSK-QPSK-21051-21195-100RB#0-50RB#0



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7-7-20MHz-10MHz-16QAM-16QAM-21051-21195-100RB#0-50RB#0



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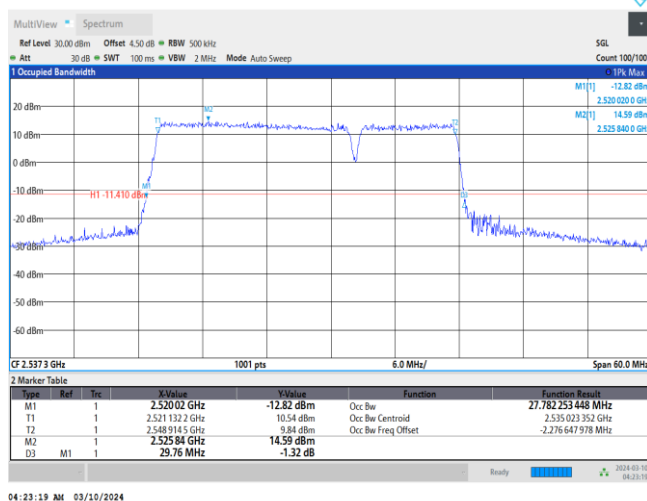
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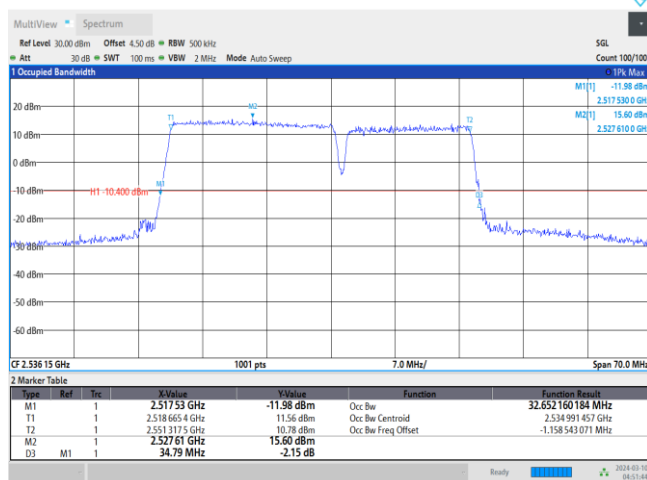
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7-7-20MHz-10MHz-64QAM-64QAM-21051-21195-100RB#0-50RB#0



04:23:19 AM 03/10/2024

7-7-20MHz-15MHz-QPSK-QPSK-21026-21197-100RB#0-75RB#0



04:51:45 AM 03/10/2024



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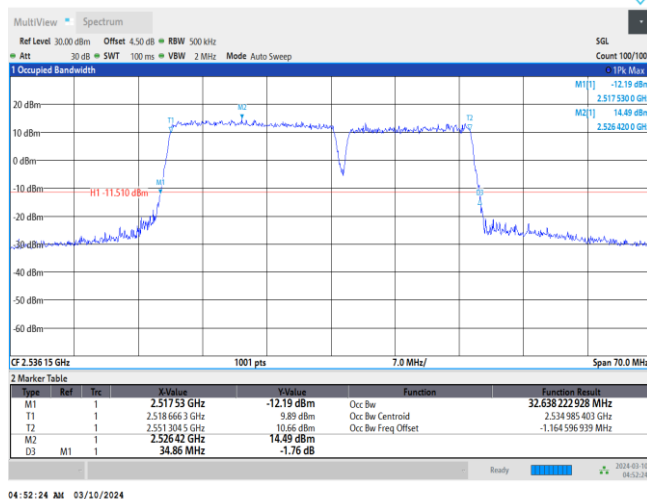
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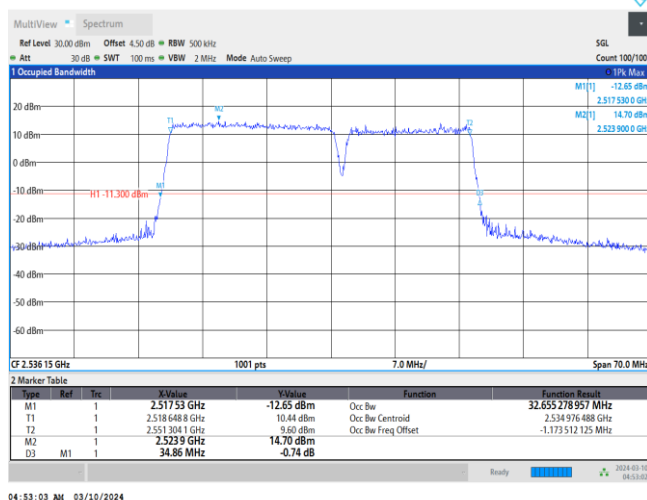
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7-7-20MHz-15MHz-16QAM-16QAM-21026-21197-100RB#0-75RB#0



7-7-20MHz-15MHz-64QAM-64QAM-21026-21197-100RB#0-75RB#0



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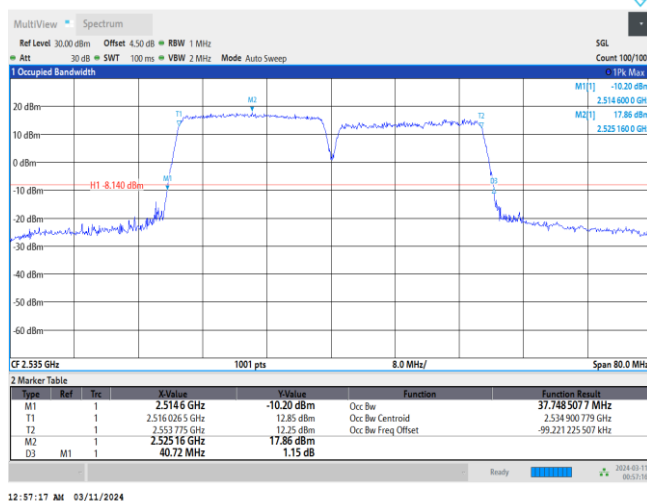
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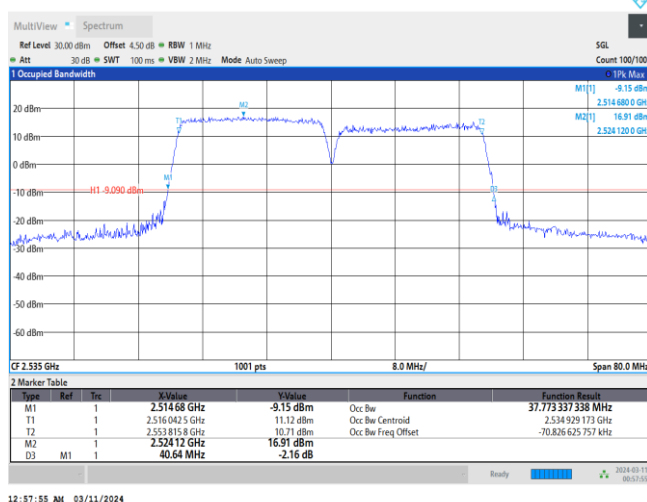
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7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-100RB#0-100RB#0



7-7-20MHz-20MHz-16QAM-16QAM-21001-21199-100RB#0-100RB#0



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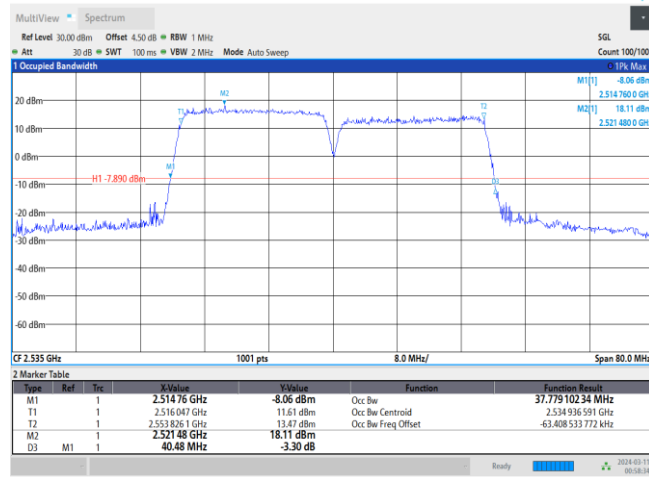
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7-7-20MHz-20MHz-64QAM-64QAM-21001-21199-100RB#0-100RB#0



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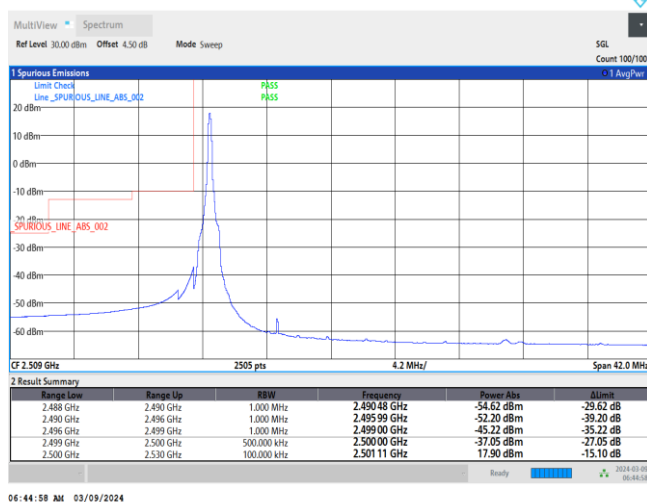
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Band Edge

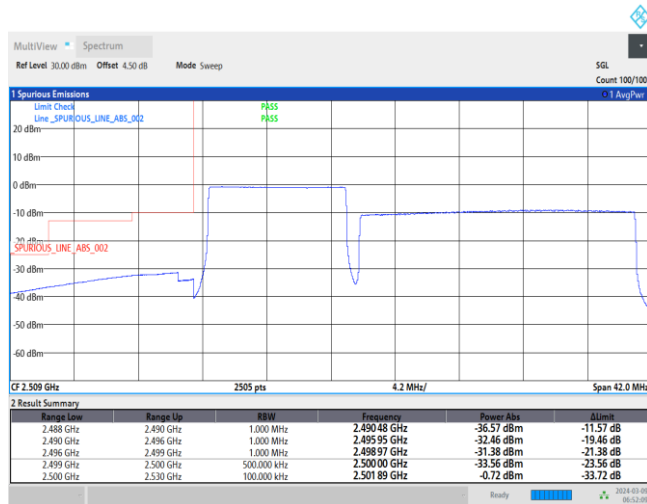
Test Graphs

7-7-10MHz-20MHz-QPSK-QPSK-20805-20949-1RB#0-0RB#0



06:44:58 AM 03/09/2024

7-7-10MHz-20MHz-QPSK-QPSK-20805-20949-50RB#0-100RB#0



06:52:10 AM 03/09/2024

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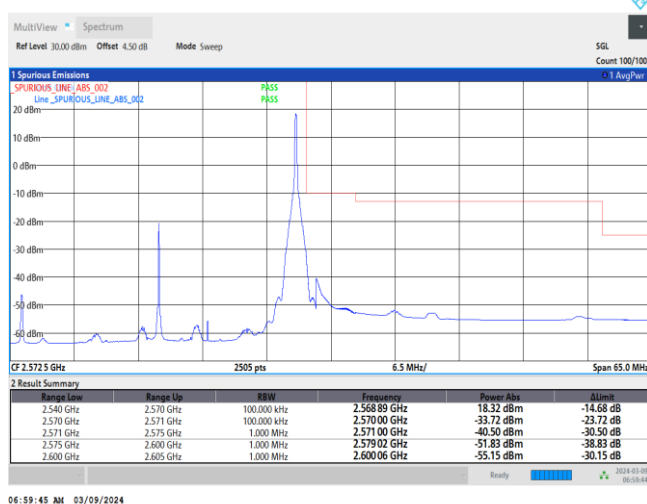
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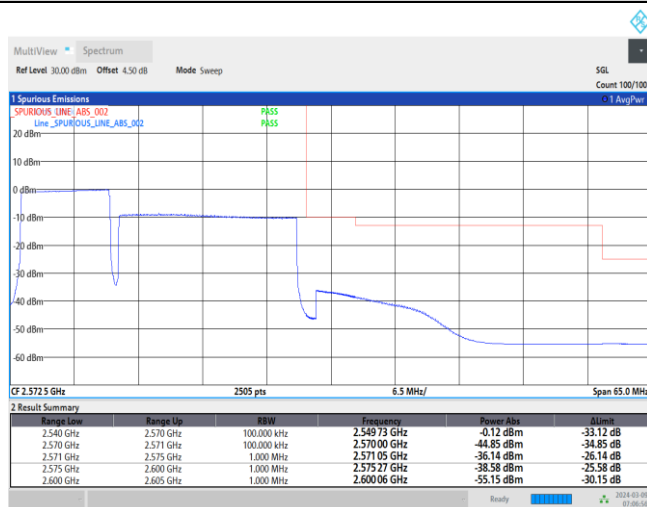
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06:59:45 AM 03/09/2024

7-7-10MHz-20MHz-QPSK-QPSK-21206-21350-50RB#0-100RB#0



07:06:57 AM 03/09/2024



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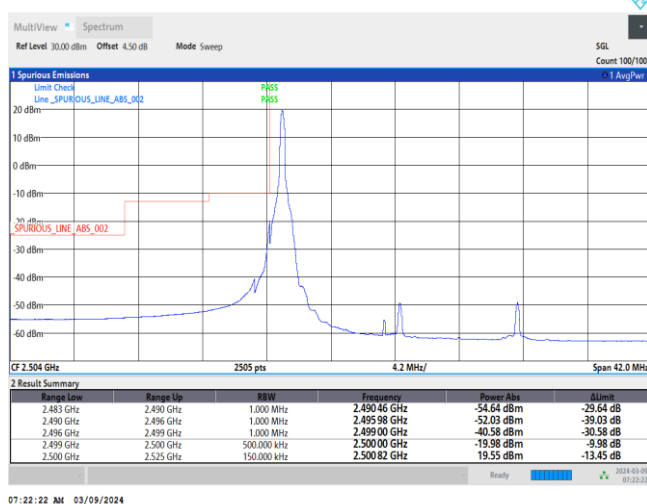
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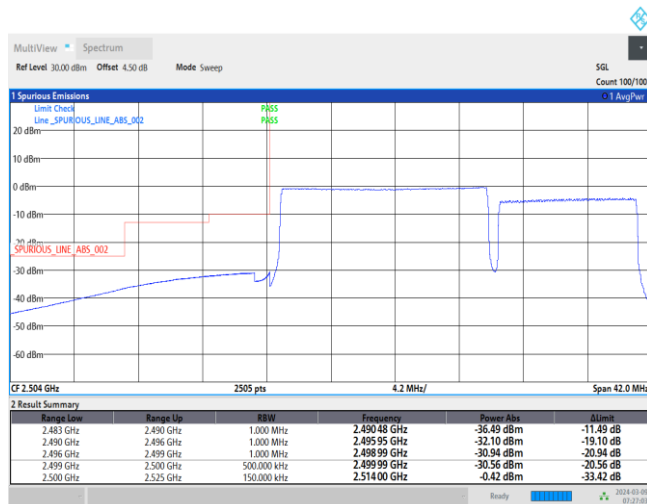
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7-7-15MHz-10MHz-QPSK-QPSK-20825-20945-1RB#0-0RB#0



07:22:22 AM 03/09/2024

7-7-15MHz-10MHz-QPSK-QPSK-20825-20945-75RB#0-50RB#0



07:27:04 AM 03/09/2024



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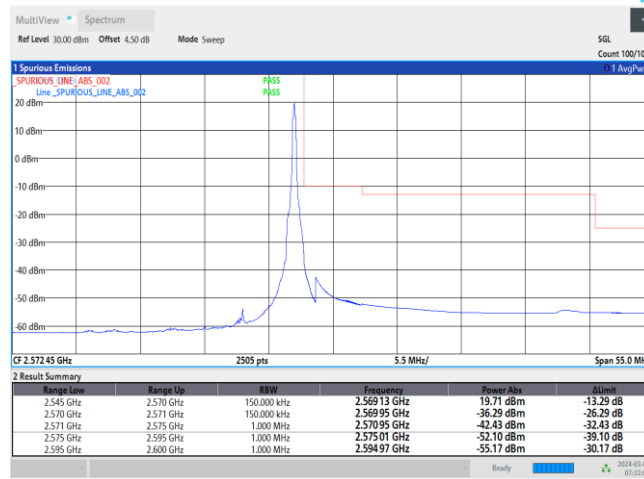
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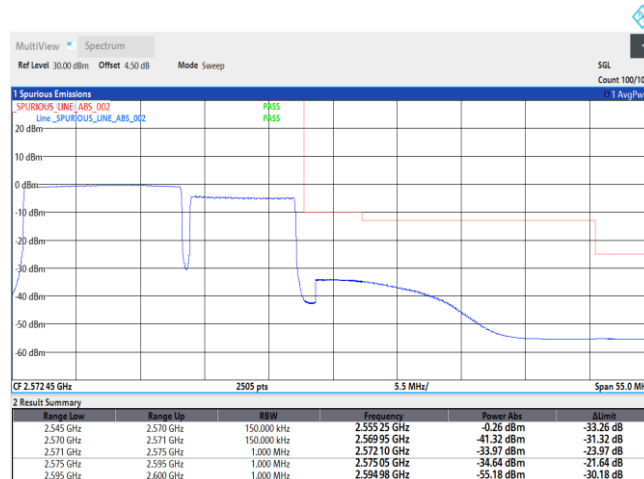
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7-7-15MHz-10MHz-QPSK-QPSK-21277-21397-0RB#0-1RB#49



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7-7-15MHz-10MHz-QPSK-QPSK-21277-21397-75RB#0-50RB#0



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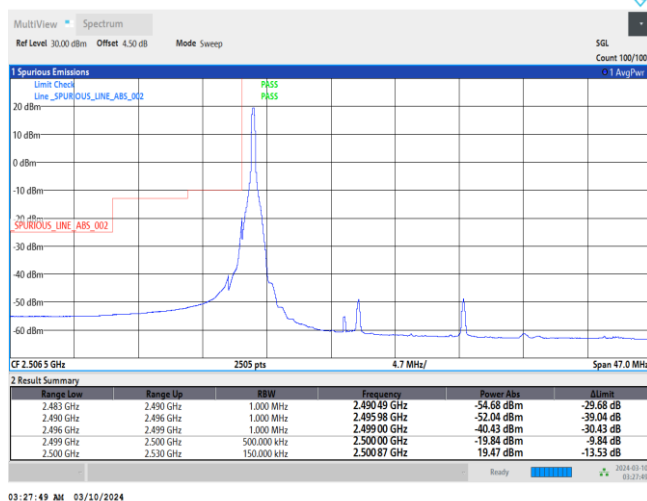
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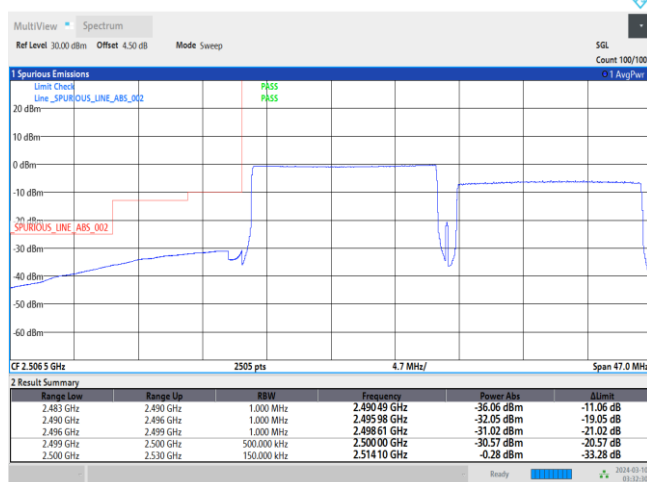
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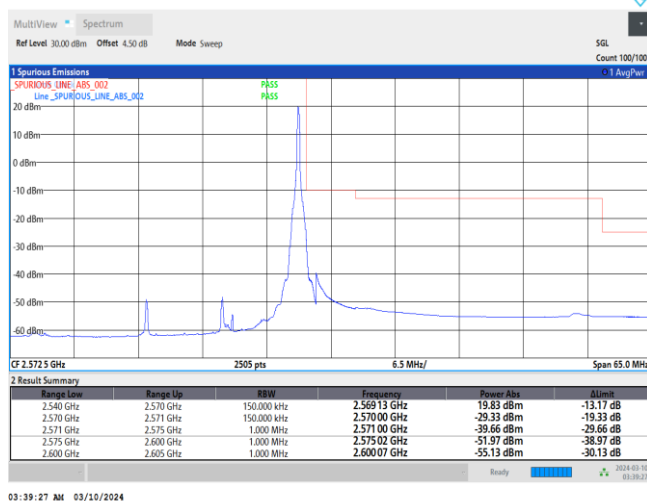
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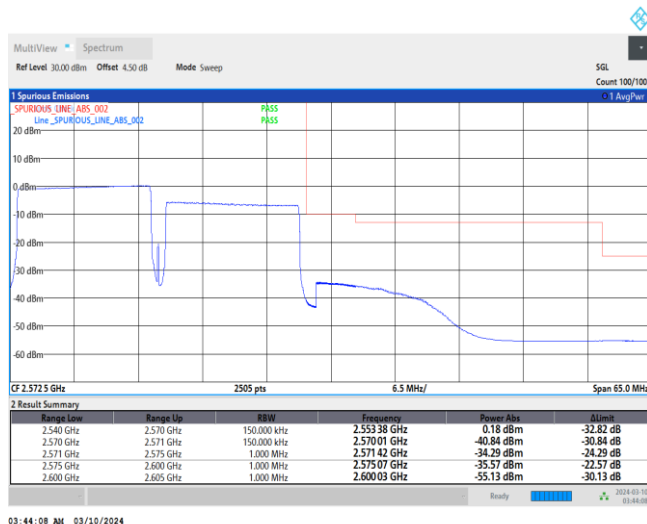
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7-7-15MHz-15MHz-QPSK-QPSK-21225-21375-0RB#0-1RB#74



7-7-15MHz-15MHz-QPSK-QPSK-21225-21375-75RB#0-75RB#0



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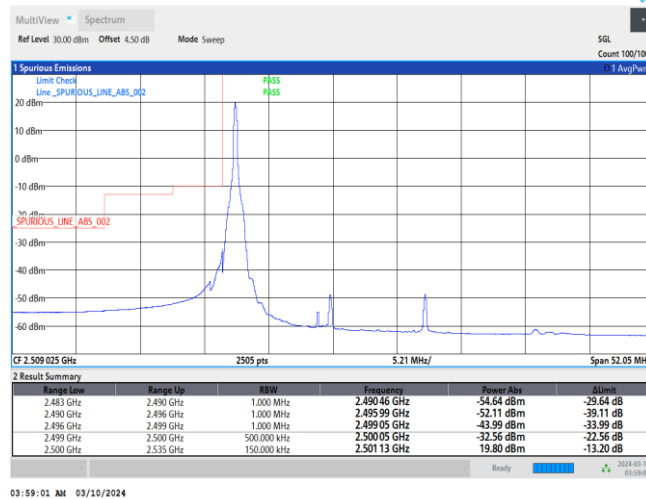
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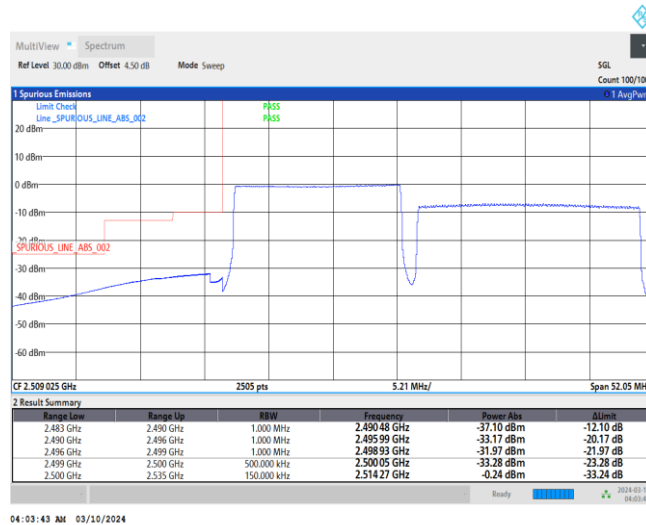
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7-7-15MHz-20MHz-QPSK-QPSK-20828-20999-1RB#0-0RB#0



7-7-15MHz-20MHz-QPSK-QPSK-20828-20999-75RB#0-100RB#0



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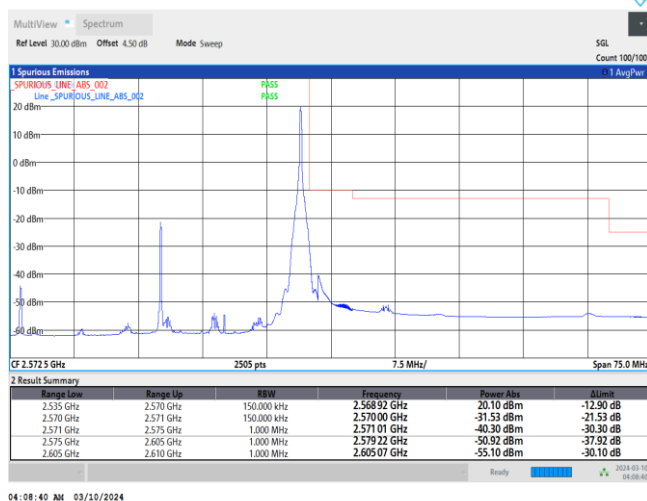
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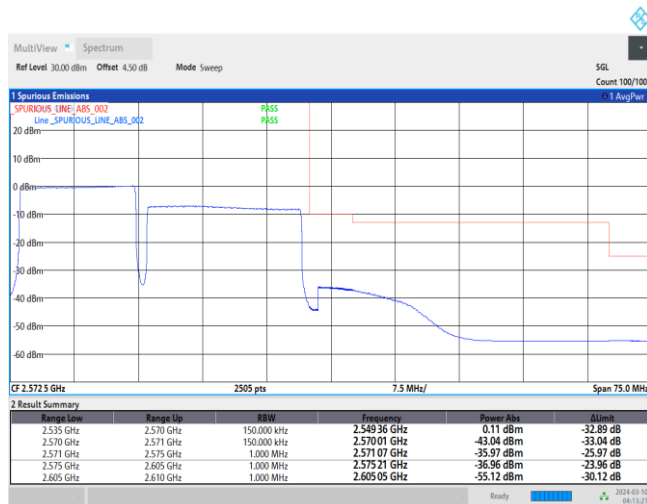
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7-7-15MHz-20MHz-QPSK-QPSK-21179-21350-0RB#0-1RB#99



04:08:40 AM 03/10/2024

7-7-15MHz-20MHz-QPSK-QPSK-21179-21350-75RB#0-100RB#0



04:13:22 AM 03/10/2024



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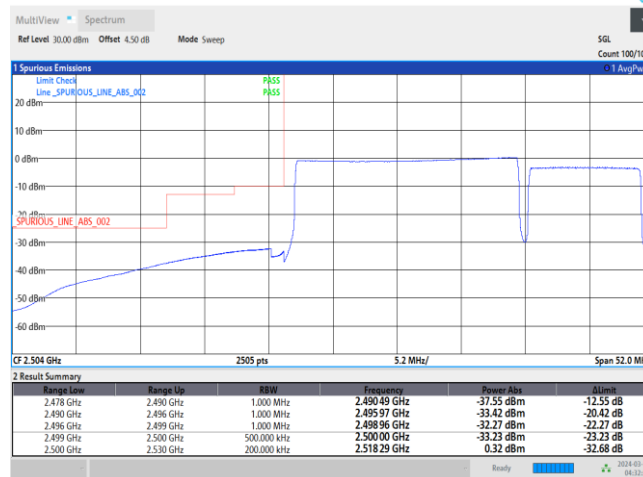
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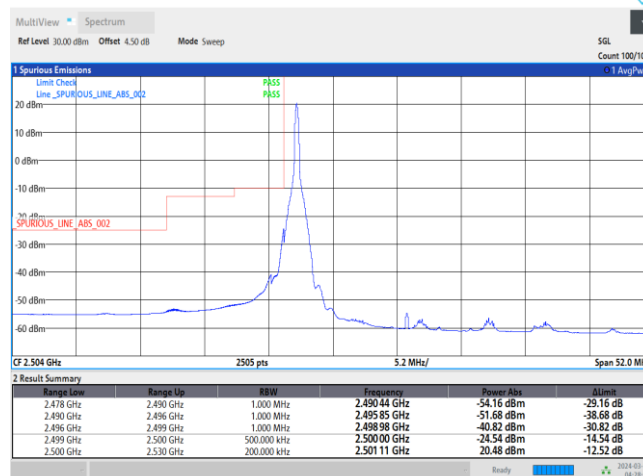
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7-7-20MHz-10MHz-QPSK-QPSK-20850-20994-100RB#0-50RB#0



04:32:58 AM 03/10/2024

7-7-20MHz-10MHz-QPSK-QPSK-20850-20994-1RB#0-0RB#0



04:28:16 AM 03/10/2024



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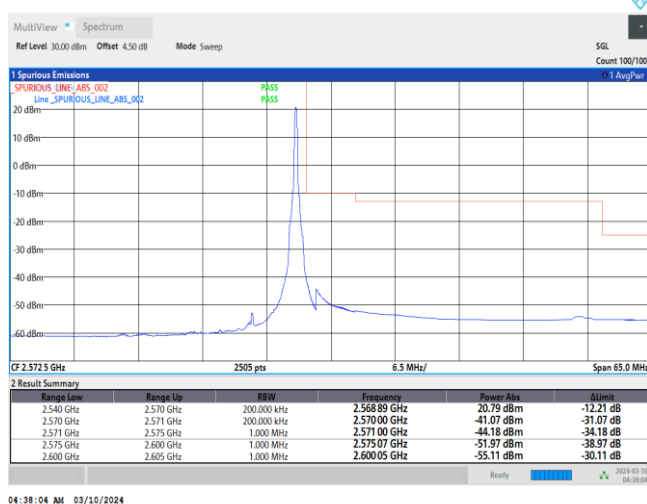
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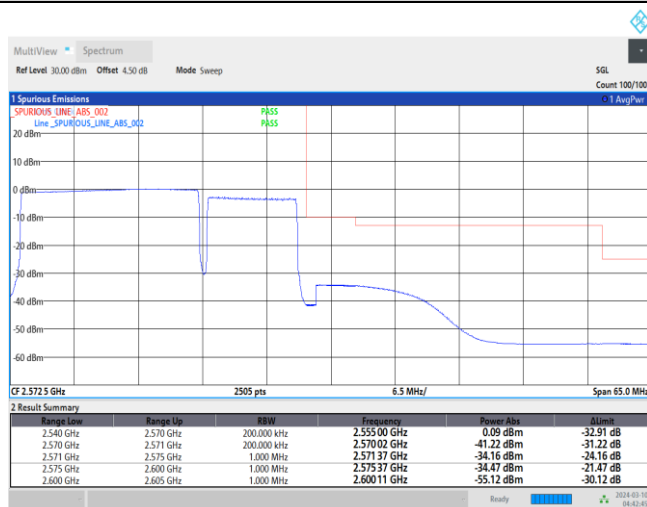
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7-7-20MHz-10MHz-QPSK-QPSK-21251-21395-0RB#0-1RB#49



04:38:04 AM 03/10/2024

7-7-20MHz-10MHz-QPSK-QPSK-21251-21395-100RB#0-50RB#0



04:42:46 AM 03/10/2024



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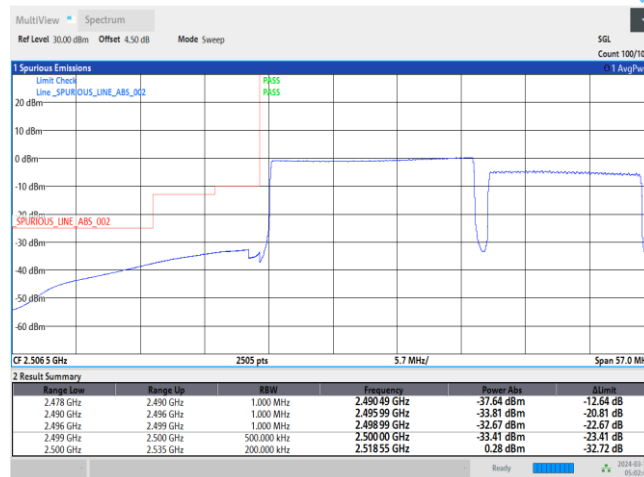
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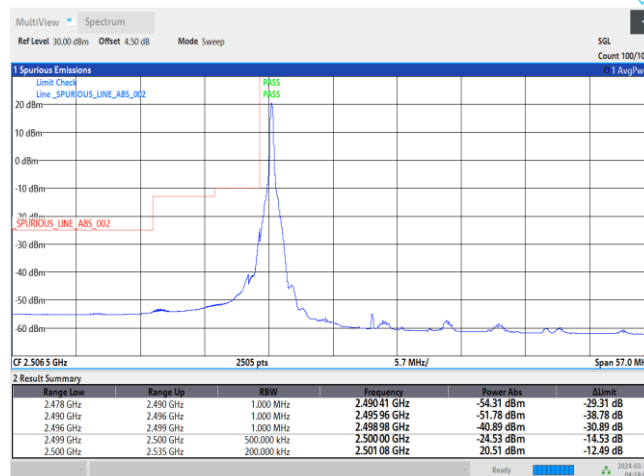
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7-7-20MHz-15MHz-QPSK-QPSK-20850-21021-100RB#0-75RB#0



05:02:50 AM 03/10/2024

7-7-20MHz-15MHz-QPSK-QPSK-20850-21021-1RB#0-0RB#0



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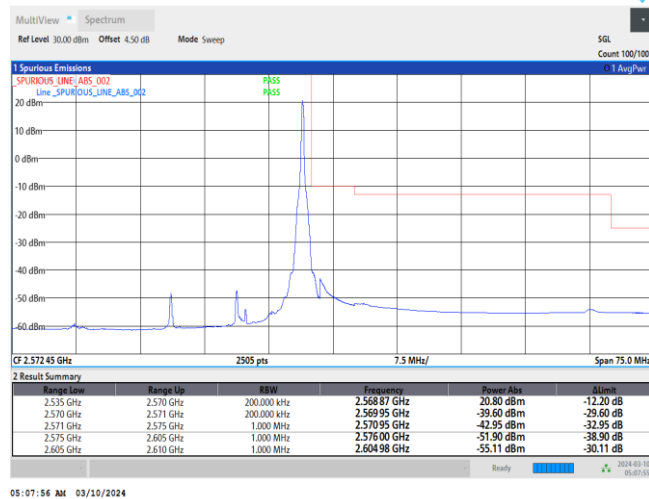
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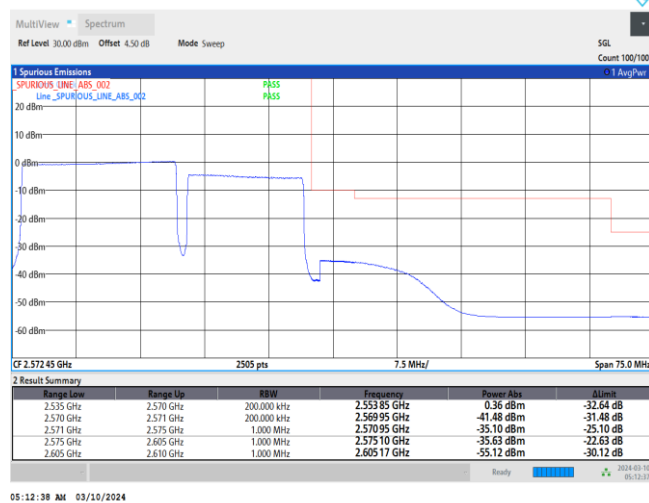
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7-7-20MHz-15MHz-QPSK-QPSK-21201-21372-0RB#0-1RB#74



7-7-20MHz-15MHz-QPSK-QPSK-21201-21372-100RB#0-75RB#0



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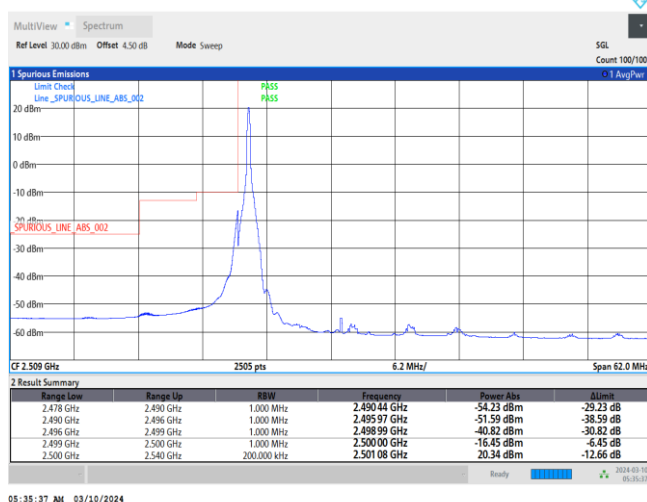
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7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-100RB#0-100RB#0



7-7-20MHz-20MHz-QPSK-QPSK-20850-21048-1RB#0-0RB#0



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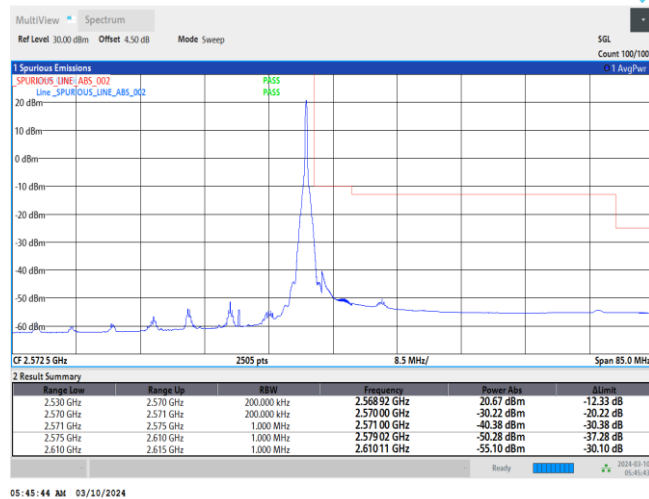
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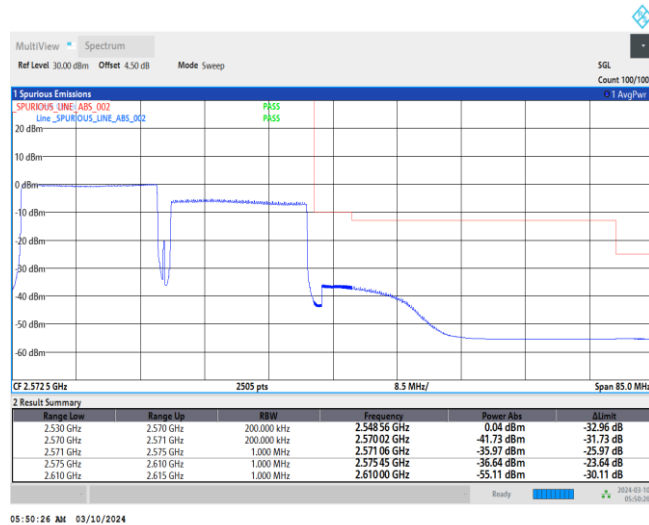
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7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-0RB#0-1RB#99



7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-100RB#0-100RB#0



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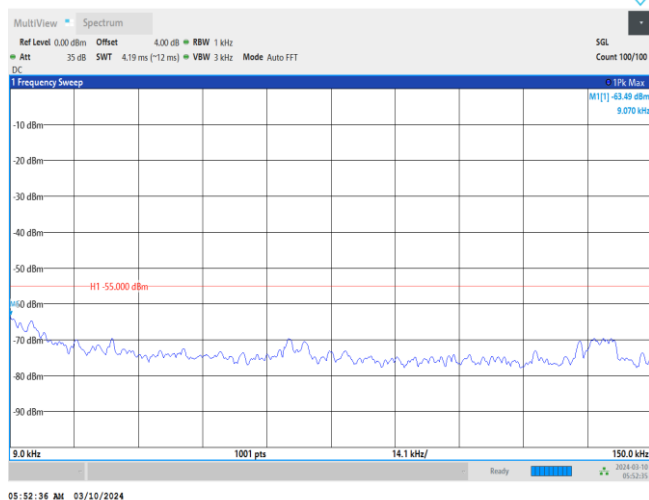
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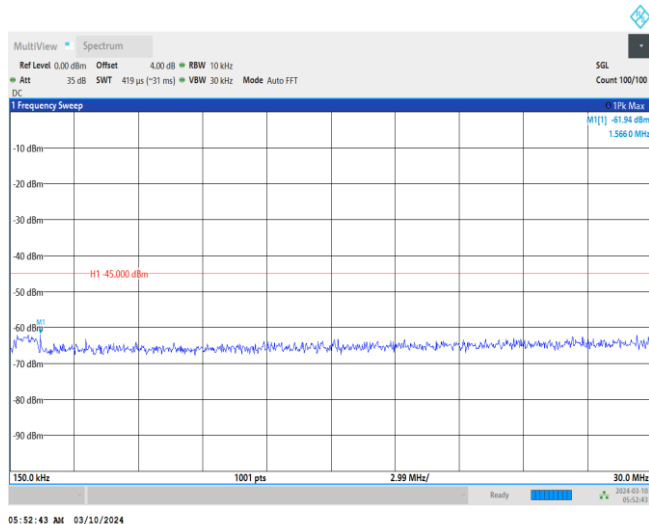
Conducted Spurious Emission

Test Graphs

7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-0.009~0.15MHz



7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-0.15~30MHz



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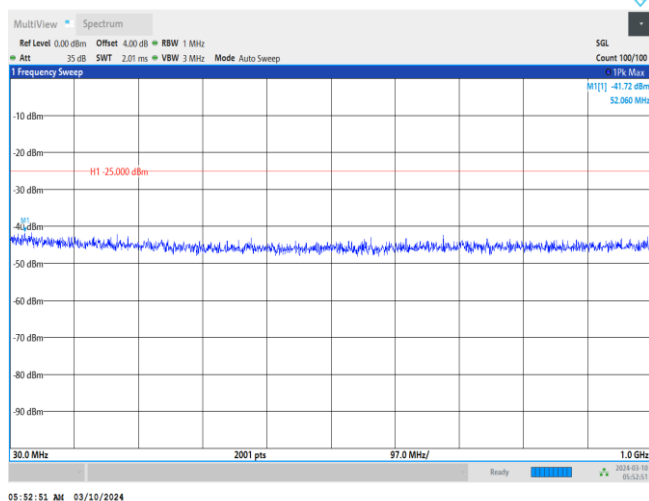
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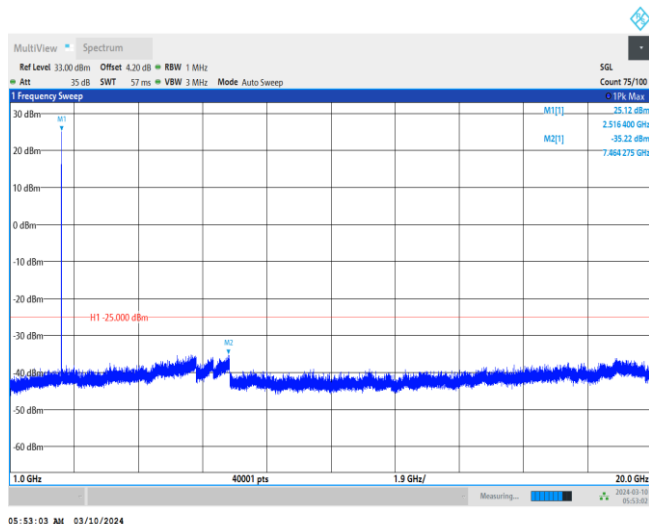
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7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-30~1000MHz



7-7-20MHz-20MHz-QPSK-QPSK-21001-21199-1RB#0-0RB#0-1000~20000MHz



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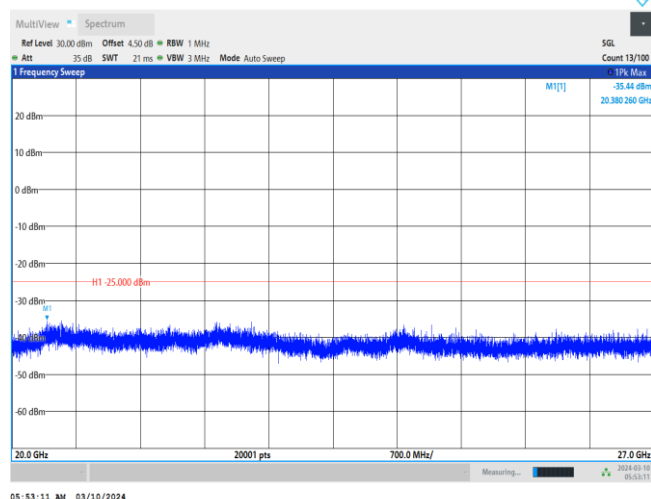
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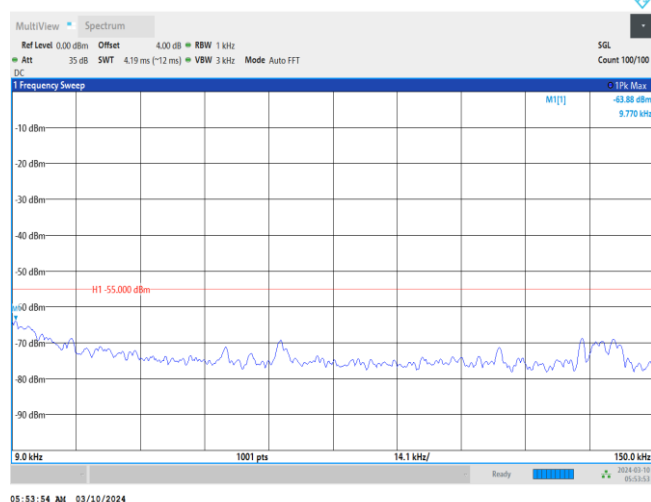
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7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-0RB#0-0.009~0.15MHz



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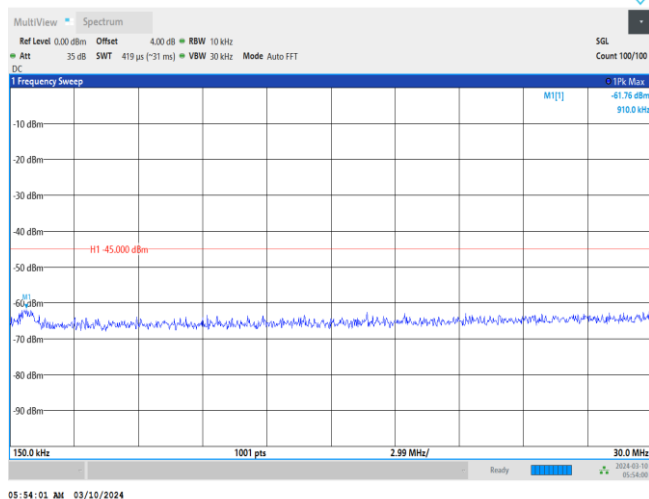
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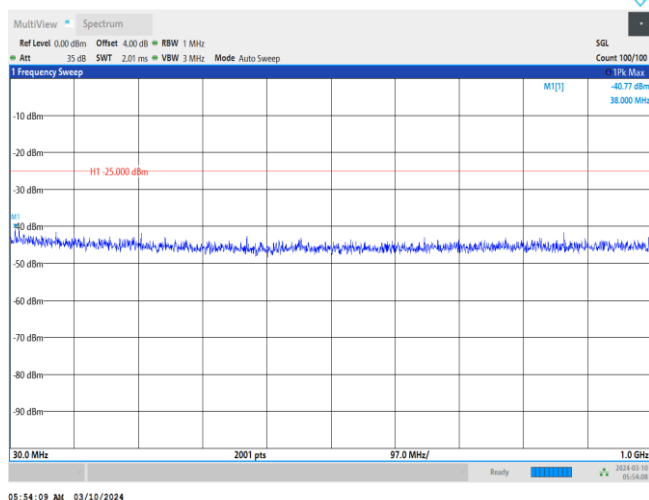
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7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-0RB#0-0.15~30MHz



7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-0RB#0-30~1000MHz



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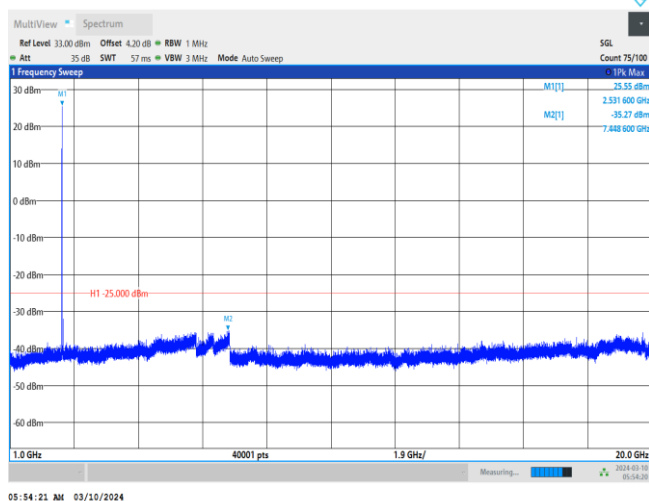
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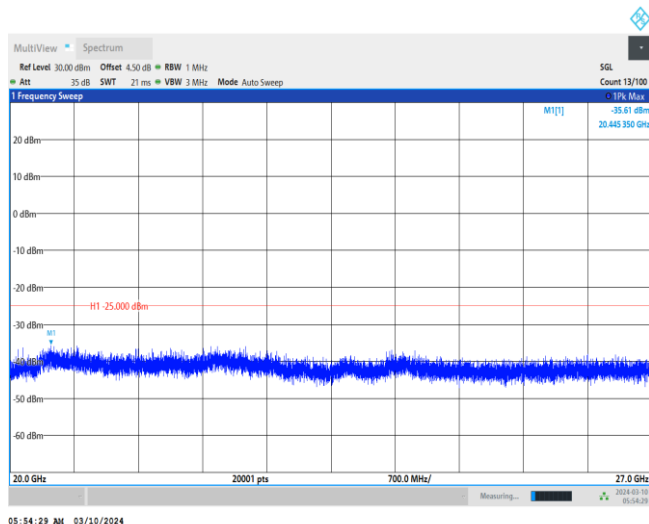
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7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-0RB#0-1000~20000MHz



7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-1RB#0-0RB#0-20000~27000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 7C_ TM1

Test Channel = Low Channel _ Worse ANT

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.18	44.13	-48.01	31.51	-67.63	-25.00	42.63	Horizontal
2	7503.27	42.01	-46.11	36.80	-62.57	-25.00	37.57	Horizontal
3	10004.36	39.73	-41.71	38.50	-58.73	-25.00	33.73	Horizontal
4	12505.45	36.19	-39.84	38.90	-60.01	-25.00	35.01	Horizontal
5	15006.54	35.03	-38.03	40.09	-58.18	-25.00	33.18	Horizontal
6	17507.63	41.74	-36.82	42.15	-48.19	-25.00	23.19	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.18	43.15	-48.01	31.51	-68.61	-25.00	43.61	Vertical
2	7503.27	41.30	-46.11	36.80	-63.28	-25.00	38.28	Vertical
3	10004.36	40.85	-41.71	38.50	-57.61	-25.00	32.61	Vertical
4	12505.45	35.94	-39.84	38.90	-60.26	-25.00	35.26	Vertical
5	15006.54	35.29	-38.03	40.09	-57.92	-25.00	32.92	Vertical
6	17507.63	44.09	-36.82	42.15	-45.84	-25.00	20.84	Vertical



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Test Band = LTE Band 7C_ TM1
Test Channel = Mid Channel _ Worse ANT

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5032.38	43.55	-47.95	31.58	-68.08	-25.00	43.08	Horizontal
2	7548.27	42.30	-45.39	36.74	-61.61	-25.00	36.61	Horizontal
3	10064.76	39.93	-41.81	38.56	-58.58	-25.00	33.58	Horizontal
4	12580.95	36.65	-39.16	38.85	-58.92	-25.00	33.92	Horizontal
5	15097.14	34.59	-38.45	39.91	-59.20	-25.00	34.20	Horizontal
6	17613.33	42.82	-36.96	42.83	-46.58	-25.00	21.58	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5032.38	43.84	-47.95	31.58	-67.79	-25.00	42.79	Vertical
2	7548.27	40.73	-45.39	36.74	-63.18	-25.00	38.18	Vertical
3	10064.76	41.51	-41.81	38.56	-57.00	-25.00	32.00	Vertical
4	12580.95	36.92	-39.16	38.85	-58.65	-25.00	33.65	Vertical
5	15097.14	35.32	-38.45	39.91	-58.47	-25.00	33.47	Vertical
6	17613.33	42.35	-36.96	42.83	-47.05	-25.00	22.05	Vertical



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Test Band = LTE Band 7C_ TM1

Test Channel = High Channel _ Worse ANT

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5062.58	44.00	-47.89	31.65	-67.50	-25.00	42.50	Horizontal
2	7593.87	42.80	-44.67	36.69	-60.44	-25.00	35.44	Horizontal
3	10125.16	39.51	-41.94	38.61	-59.08	-25.00	34.08	Horizontal
4	12656.45	36.07	-39.15	38.81	-59.53	-25.00	34.53	Horizontal
5	15187.74	34.31	-36.86	39.74	-58.07	-25.00	33.07	Horizontal
6	17719.03	41.47	-37.73	43.50	-48.02	-25.00	23.02	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5062.58	43.34	-47.89	31.65	-68.16	-25.00	43.16	Vertical
2	7593.87	41.11	-44.67	36.69	-62.13	-25.00	37.13	Vertical
3	10125.16	40.19	-41.94	38.61	-58.40	-25.00	33.40	Vertical
4	12656.45	36.35	-39.15	38.81	-59.25	-25.00	34.25	Vertical
5	15187.74	34.78	-36.86	39.74	-57.60	-25.00	32.60	Vertical
6	17719.03	39.99	-37.73	43.50	-49.50	-25.00	24.50	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	VH	NT	42.30	0.016552	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	VL	NT	53.40	0.026532	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	VN	NT	52.20	0.016532	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	-30	50.10	0.020036	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	-20	49.20	0.015326	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	-10	48.20	0.014235	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	0	52.20	0.022546	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	10	42.30	0.016532	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	20	54.50	0.021526	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	30	45.30	0.013751	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	40	61.30	0.025243	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	50	52.30	0.024672	PASS

---End of Attachment---



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